RYAN PAPETTI

Full-Stack Data Scientist and Cloud Specialist

🔗 https://ryanpapetti.com   in https://linkedin.com/in/ryan-papetti/   @ business@ryanpapetti.com   ⌂ https://github.com/ryanpapetti

SUMMARY

Clustering-obsessed, plant-loving MS Information Science graduate with 3+ years data science and engineering contracting experience. Specializing in full-stack Data Science, particularly segmentation analysis, and data ingestion automation via serverless cloud technologies.

EXPERIENCE

Data Scientist Contractor

4Front Ventures

📅 2018 – Present   📍 Phoenix, AZ

- Deployed consumer segments derived via hierarchical clustering that aim to boost visit frequency by 10% per year without increasing marketing budget
- Building coupon personalization through a collaborative filtering recommendation system that does not use customer demographic data
- Utilized Random Forest algorithm into traditional customer churn analysis to determine key factors for churning that advised store managers
- Combining raw information from REST-APIs and SQL databases to provide ad-hoc store or market analysis faster than current tools
- Present data-related findings frequently to company executives and product managers with concise data visualizations

Data Science Mentor

AI Camp

📅 May 2021 – Dec 2021   📍 Remote

- Managed groups of up to six middle/high school students in developing and deploying full-stack NLP and CV projects from scratch in less than three weeks with Flask
- Provided Deep Learning and DevOps tools including GPT-3, YOLO, LabelBox, and Docker for students to learn to collect data and train, validate, and test machine learning models
- Collaborated frequently with deployment team to assist students in seeing their projects live in accessible web applications

Data Engineer Contractor

Copperstate Farms Management

📅 2021 – Present   📍 Phoenix, AZ

- Build and maintain serverless Google Cloud Functions that asynchronously facilitate data transfer to cut daily data collection time by at least 80%
- Implement webhooks on internal forms to fully automate data ingestion as its created, costing about $1 per month
- Enable real-time access to retail and production data across multiple POS through data centralization
- Provide data advice on modernizing corporate data warehouses by communicating with Senior Managers

SKILLS

Anaconda Data Science   Python
Customer Segmentation Analysis
Deep Learning: Tensorflow, Keras, OpenAI
Cloud: Azure, AWS, GCP   Linux
Databases: MySQL, PostgreSQL, DynamoDB
Docker   Recommender Systems
Bash   Git   Serverless Computing
Jupyter Notebooks   pandas, numpy
matplotlib, seaborn   LaTeX   Vim

EDUCATION

M.S. Information Science

University of Arizona

📅 2020 – 2021

- Capstone: *Radial Web App: Exploration and Generation of Groups of Musical Tracks Using Unsupervised Machine Learning*

B.S. Double Major: Mathematics & Information Science (with Honors)

University of Arizona

📅 2015 – 2019

- Graduated with the School of Information Outstanding Senior & Leadership and Community Engagement Awards

RELEVANT PROJECTS

Sneakerhead Survey Segmentation

Solesavy Marketing

📅 2021

- Provided actionable marketing archetypes using cluster analysis of several thousand survey responses on sneaker culture

Online Course Instructor

Eduonix Online Learning Solutions

📅 2020

- Published "Data Visualization in Seaborn" which teaches basics of data visualization using memes as examples